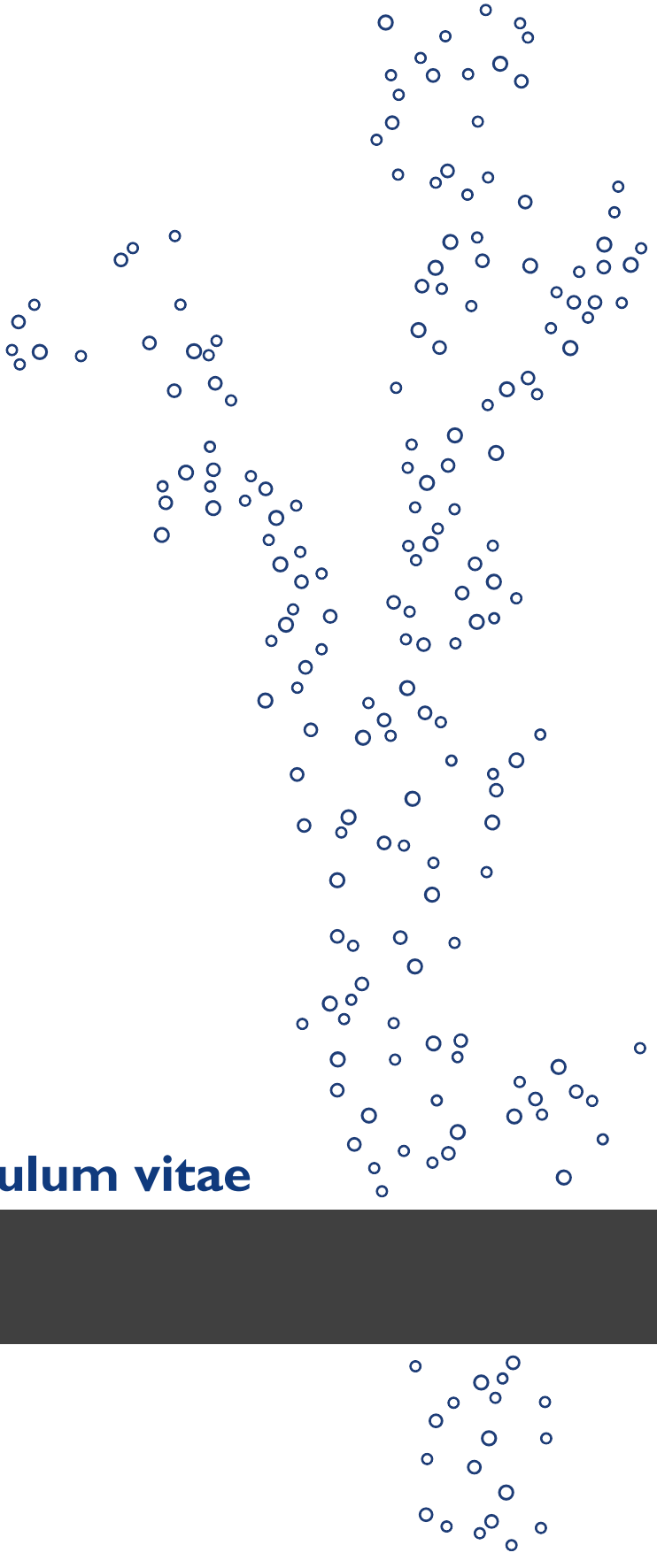
Oxygen-releasing biomaterials

Steg, Hilde



Curriculum vitae

Hilde Steg was born on November the 21st 1984 in Lelystad, as one of three children. She grew up in Lelystad and attended primary and secondary school close to home. In 2003 she started at the University of Twente, studying Biomedical Engineering. Her interest was drawn to this study because of a picture she saw of a running amputee. During her time in Enschede she discovered that trouble starts at the interface between patient and protheses. Moreover, she found in tissue engineering a new, promising method of repair.

She did an internship at Medisch Spectrum Twente, using siRNA to enhance effectiveness of heat shock therapy to treat cancer. Thereafter she completed her study at the Membrane Technology group of the University of Twente, working on a membrane supported bioreactor to grow larger cell structures.

In 2010 she started as a PhD student at the department of Biomedical Engineering at the Universitair Medisch Centrum Groningen under supervision of Prof. Dr. S.K. Bulstra, Prof Dr.D.W. Grijpma and dr. R. Kuijer. Together with orthopedic surgeon to be, Arina Buizer she worked on the completion of the in this thesis described oxygen-releasing biomaterials.

After this project she made a detour via secondary school education but found her way to quality assurance at Wellinq.